

Product data sheet

Specifications



Modicon Quantum intrinsically safe current input module - 8 I - 1.2 mA... 2.1 mA

140DII33000C

⚠ Discontinued on: Jul 12, 2021

⚠ Discontinued

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Intrinsically safe discrete input module
Software Designation	ProWORX Unity Pro Concept
Software Version	V2.2 and above

Complementary

Product Destination	In conjunction with products for zone 20, 21 or 22
Discrete Input Number	8
No Load Voltage	8 V
Short-Circuit Current	8 mA
Switching Hysteresis	0.2 mA
Current State 0 Guaranteed	<= 1.2 mA
Current State 1 Guaranteed	>= 2.1 mA
Switching Frequency	100 Hz
Response Time	1 ms resistive at state 0 to state 1 1 ms resistive at state 1 to state 0
Internal Resistance	2.5 kOhm
Protection Type	Internal by fuse Resistor limited
Isolation Between Channels And Bus	2500 V for 1 minute DC 1780 V 47...63 Hz AC
Fault Type	Resistor limited
Hot Swapping Fallback	Not allowed per intrinsic safety standards
Power Dissipation In W	2 W
Marking	CE II1 G/D-EEEx ia IIC
Bus Current Requirement	0.4 A
Module Format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Protective Treatment	Conformal coating Humiseal 1A33
Standards	UL 508 EN 50020 EN 50014 EN 50039 EN 50281-1-1 CSA C22.2 No 142 Directive ATEX 94/9/EC EN 50284
Dust Zone	Outside zone
Product Certifications	FM Class 1 Division 2
Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80...1000 MHz IEC 801-3
Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Relative Humidity	95 % without condensation
Operating Altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
Gtin	00785901869580
Returnability	No
Country Of Origin	US

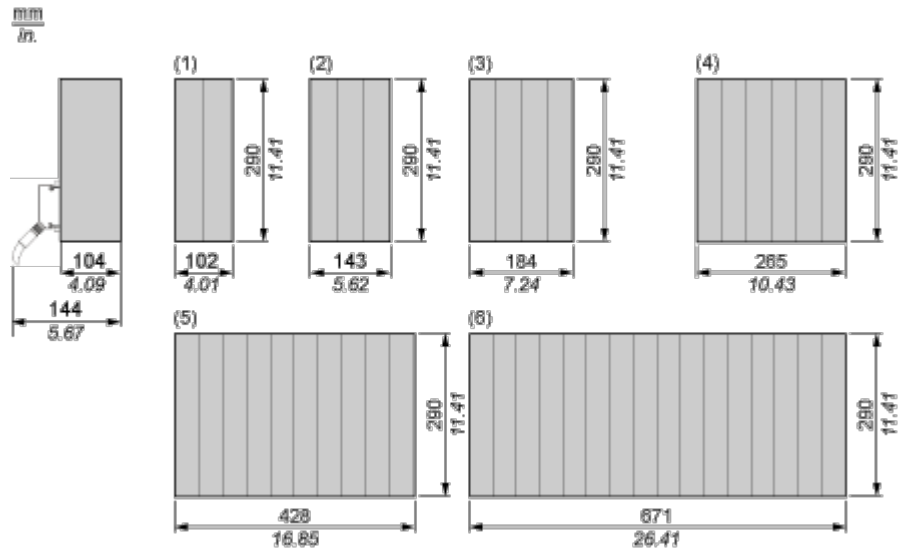
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

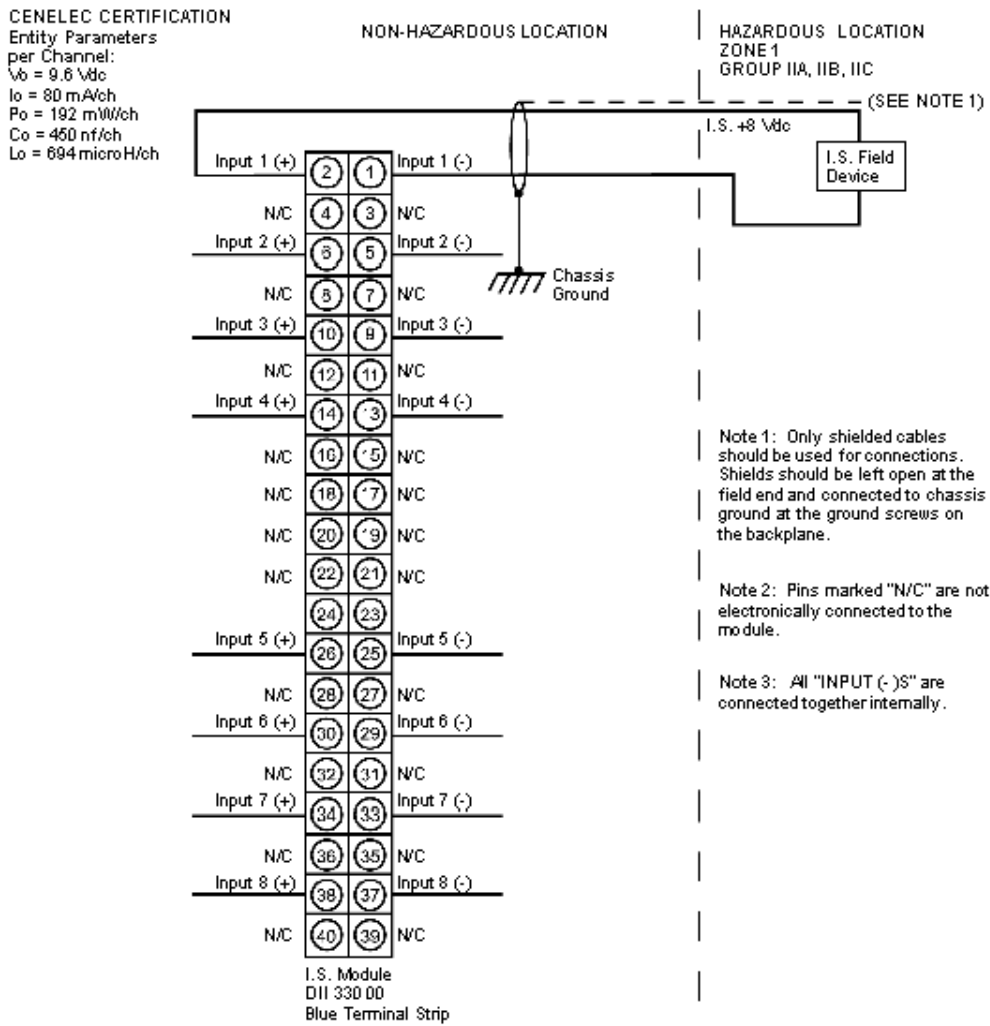


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Intrinsically Safe Discrete Input Module

Cenelec Certified Wiring Diagram



31001365 Rev 00 140 DII 330 00 Wiring Diagram